

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/051688

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B10/08 G02B6/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/65174 A (BAROZZI GIANPAOLO ; MELI FAUSTO (IT); AINA STEFANO (IT); PIRELLI CAVI) 16 December 1999 (1999-12-16) page 27, line 23 – page 28, line 28; figures 7-9 page 29, line 15 – line 29 page 18, line 5 – line 8 ----- -/-	1,2,4-7
Y		3

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

6 October 2004

Date of mailing of the international search report

15/10/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	SHINJI MATSUOKA ED - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "SUPERVISORY SIGNAL TRANSMISSION METHODS FOR OPTICAL AMPLIFIER REPEATER SYSTEMS" COMMUNICATIONS : CONNECTING THE FUTURE. SAN DIEGO, DEC. 2 - 5, 1990, PROCEEDINGS OF THE GLOBAL TELECOMMUNICATIONS CONFERENCE AND EXHIBITION(GLOBECOM), NEW YORK, IEEE, US, vol. VOL. 3, 2 December 1990 (1990-12-02), pages 1846-1850, XP000218888 ISBN: 0-87942-632-2 the whole document -----	3
A	DE 198 29 227 A (SIEMENS AG) 3 February 2000 (2000-02-03) column 3, line 21 - line 52; figure 3 -----	1,2,4-7
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		WO	9965174 A1	16-12-1999
		EP	1088417 A1	04-04-2001
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